



Educator Resource Center

FALL 2011 Workshop Schedule



ERC

National Aeronautics and Space Administration

John C. Stennis Space Center

Educator Resource Center

Building 3101

Stennis Space Center, MS 39529-6000

John C. Stennis Fall 2011 Educator Workshops

Beginning Engineering **Thursday, September 15, 2011**

CEUs: 0.5
Grades: K-8

Help your students become one of NASA's BEST (Beginning Engineering, Science and Technology) engineers! This one-day workshop will cover the Engineering Design Process and demonstrate that engineering is not such a scary subject after all. The concepts behind engineering will come to life for teachers and help them engage students using real world NASA problems and solutions. This workshop is centered around hands-on activities that will cover a wide range of STEM (Science, Technology, Engineering and Mathematics) concepts and can be used with a variety of subjects beyond engineering.

Hands-On Science **Saturday, October 1, 2011**

CEUs: 0.5
Grades: K-8

Curiosity is natural to children: They ask a lot of questions! Children understand scientific concepts best through investigation, experimentation and inquiry. In this workshop we will conduct numerous hands-on activities using the scientific method. The goal of this workshop is to provide activities and ideas that will help you teach your students that science is fun!

What's Next for NASA? **Thursday, October 6, 2011**

CEUs: 0.5
Grades: 3-8

Do you have the Space Shuttle blues? Well cheer up because NASA is charting a bold new course of exploration within our solar system. Come learn using hands-on activities that explore the current and future goals of NASA. This workshop will focus on the newly completed International Space Station, the Dawn mission's visit to the asteroid Vesta, Juno's trek to Jupiter, Messenger voyage to Mercury, and other future robotic and human missions to help humans understand the origins of our solar system.

Classroom Lunacy **Thursday, November 17, 2011**

CEUs: 0.5
Grades: 4-12

Humans placed the first, and only, footprints on our moon between 1969-1972. What did we learn from those historic missions? Will humans return

to the moon to continue that exploration? What exciting activities can I do in my classroom to get my students to enjoy discovering the secrets of our nearest celestial neighbor? These questions will be explored in this workshop that will allow teachers to develop a better understanding of our Earth and moon system. The workshop will also include certification for participants to receive actual lunar and meteorite samples for use in your classroom as an "out of this world" and unique instructional tool. Join us and become a "certified lunatic."

GLOBE Workshops

GLOBE (Global Learning and Observations to Benefit the Environment) is a worldwide hands-on school-based education and science program.



For students, GLOBE provides the opportunity to learn by taking scientifically valid measurements in the fields of land cover/biology, atmosphere/climate, hydrology and soil.

During GLOBE training, educators will learn precise methods of collecting measurements. Educators will then engage students to collect their own data from sites at or near their schools and submit it over the Internet.

Using the interactive GLOBE Web site, students can create maps and graphs, analyze data sets and collaborate with scientists and GLOBE students in 100 countries around the world.

GLOBE Atmosphere Workshop **Tuesday, October 18, 2011**

CEUs: 0.5
Grades: 3-12

Scientists around the world are studying the weather through GLOBE; your students can help too. Participants will learn how to take the needed atmospheric measurements to better understand our planet's climate changes. The measurements you and your students make through the GLOBE atmosphere program will go a long way in helping everyone understand more about the world's weather.

TO REGISTER:

Visit the GLOBE Web site at <http://classic.globe.gov>. Under the "For Teachers" dropdown menu, click on "Workshop Registration," then scroll down and select the workshops listed for Stennis Space Center.



Stennis Space Center ERC Location and Hours

The NASA Educator Resource Center (ERC) at Stennis Space Center is located in building 3101, next to the guard station on Mississippi Route 607 at the south entrance to Stennis. The ERC is open from 9-3 Monday-Friday for educators to pick up NASA materials. Most

ERC workshops are also held at this location.

Educators arriving from the south can attend these workshop sessions or pick up ERC materials without going through security clearance.

To reach the center, educators from the

south (I-10) should take Exit 2 and go north on Hwy. 607. Educators entering from the north (I-59) should take Exit 1 to Hwy. 607 south. Educators coming from the north will need to stop at the North Gate entrance and obtain a visitor's badge.

Stennis Space Center Fall Workshop Schedule 2011

September 2011

TUE	WED	THU	FRI	SAT
6	7	8	9	10
13	14	15	16	17
		Beginning Engineering (K-8)		FIRST LEGO® League "Food Factor"

October 2011

TUE	WED	THU	FRI	SAT
				1
				Hands-On Science (K-8)
4	5	6	7	8
		What's Next for NASA? (3-8)		
11	12	13	14	15
18	19	20	21	22
GLOBE: Atmosphere Workshop (3-12)				

November 2011

MON	TUE	WED	THU	FRI
	1	2	3	4
7	8	9	10	11
14	15	16	17	18
			Classroom Lunacy (4-12)	



FIRST LEGO® League (FLL) "Food Factor" Kickoff Workshop

Saturday, September 17, 2011

9:00 am - 11:30 am

Grades 5 - 9

Location: StenniSphere Auditorium

NOT available for CEU credits

FIRST LEGO® League (FLL) is a high-energy robotics competition for children aged 9-14.

FLL is the result of a partnership between FIRST and the LEGO® Group.

FLL extends the FIRST concept of inspiring and celebrating science and technology to children, using real-world context and hands-on experimentation.

With the help of the LEGO® MINDSTORMS™ system, young participants can build a robot and compete in an event specially designed for their age group.

Returning and prospective coaches and team members are invited to this fun and fact filled morning to explore this year's "Food Factor" challenge.

To register, or for more information, call 228-688-3653 or email randall.t.hicks@nasa.gov. (For teachers and students!)

In order to attend, participants must register by noon, Wednesday, September 14.

Late registrations cannot be accepted.

Due to NASA Security requirements, all participants must be U.S. citizens. All adults must have a valid photo ID.



FRC Kickoff for 2012

Saturday, January 7, 2012 -- 8:00 a.m. to Noon

Live from Manchester, New Hampshire, come join us for the FIRST™ Robotics Competition 2012 Season Kickoff at Stennis Space Center! The Saturday Kickoff marks the beginning of the design and build season. Come view the Kickoff program, televised over NASA TV, and meet with others to compare notes, get ideas, make friends, find mentoring teams, pick up the Kit of Parts, and get geared up for the exciting competition season. Returning and prospective teams are invited to this half-day informational event.

For more information, contact Barbara Murphy, (228) 688-1378

It's time to register for free educator workshops at Stennis Space Center



How to Register for Free Workshops At John C. Stennis Space Center

To make reservations, call the NASA Educator Resource Center at 800-237-1821 and select option 2, or call 228-688-3338. Please call between 7 a.m. and 3 p.m. Monday through Friday. Unless otherwise noted, all 0.5 CEU workshops will be held 8:30 a.m. - 2:00 p.m. National and state education standards will be addressed in science, technology, engineering, mathematics and geography in the workshops. For more information, e-mail SSC-nasaERC@mail.nasa.gov.

Notes on Stennis Space Center Educator Resource Center Workshops

Stennis Space Center ERC personnel consistently strive to ensure as many teachers as possible have access to SSC educator workshops. In order to maximize attendance at all workshops and events, please note the adjustments made to our registration procedures: Teachers may register for no more than three (3) workshops per semester and may only make registrations for themselves. If a participant is unable to attend a workshop, he or she must call the ERC at 228-688-3338 as soon as possible. Failure to notify the ERC of a registration cancellation will affect a registrant's ability to participate in future workshops and programs.

For security purposes, you may be required to check in

at either the north or south reception center upon arrival at Stennis Space Center. A valid photo ID is required. Please allow sufficient time for this process when you arrive.

CEU Information

Mississippi and Louisiana educators are able to renew their teaching certificates with CEU credits from approved workshops. Unless otherwise noted, educators will receive 0.5 CEU credits for each 5-hour workshop conducted on-site. You must be present for the full workshop to earn CEU credit. The ERC maintains all CEU records. The ERC issues a certificate of attendance when the educator completes a 5-hour workshop. This certificate, along with any other CEU documentation, should be mailed by the teacher to the State Department of Education at the time of renewal. To obtain a copy of your CEU credits, a written request must be sent to the ERC.

Safety Regulation

Please note that the use of hand-held communication devices (cell phones, two-way radios, etc.) is prohibited while driving on-site at Stennis Space Center.